

Special Issue

Treatment and Analysis of PFAS in Environmental Pollution

Message from the Guest Editor

Environmental pollution caused by per- and polyfluoroalkyl substances (PFASs) has become one of the most pressing challenges in modern environmental science. PFASs are a large group of human-made chemicals that are characterized by strong carbon–fluorine bonds, which make them highly resistant to degradation in the environment and in living organisms. These substances have been widely used in various industrial, consumer, and military applications, including non-stick cookware, water-repellent fabrics, firefighting foam, and many other products. As a result, PFASs have been detected in various environmental matrices such as water, soil, air, and wildlife, posing significant risks to both ecosystems and human health. This Special Issue highlights recent advances in treatment technologies for PFAS pollution in the environment, as well as analytical methods for measuring the total fluorine in environmental samples. It aims to bring together contributions from the fields of environmental engineering, analytical chemistry, and risk assessment.

Guest Editor

Dr. Shilai Hao

Department of Civil and Environmental Engineering, Colorado School of Mines, Golden, CO 80401, USA

Deadline for manuscript submissions

31 May 2026



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/246485

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)





Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)



About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).